

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace, without prejudice, all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claims 1 to 5 (Canceled).

6. (Currently Amended) A control unit for actuating a passenger protection arrangement, comprising:

a processor; and

an electronic safety switch that, as a function of a signal of an acceleration sensor system, releases an output stage independently of the processor, the processor actuating the output stage as a function of the signal, wherein the safety switch analyzes an integrated acceleration signal as the signal of the acceleration sensor system, wherein the acceleration sensor system includes an integrator for integrating the integrated acceleration signal.

7. (Canceled).

8. (Previously Presented) The control unit as recited in Claim 6, further comprising: a high pass filter for filtering the integrated acceleration signal.

9. (Currently Amended) An acceleration sensor system, comprising:

a housing;

a sensor element provided in the housing;

an analog-to-digital converter provided in the housing; and

an integrator provided in the housing and for integrating an acceleration signal.

10. (Previously Presented) The acceleration sensor system as recited in Claim 9, further comprising:

a high pass filter for filtering the acceleration signal.

11. (New) The control unit as recited in Claim 6, wherein the safety switch executes watchdog functions for the processor.
12. (New) The acceleration sensor system as recited in Claim 9, further comprising:
an amplifier provided in the housing.